



Mr Samuel Bornes, Remedial Project Manager
USEPA Region 5
77 W. Jackson Blvd. (SE-5J)
Chicago, IL 60604

Subject
Subcontractors
Plainwell Time Critical Removal Action (TCRA)
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site

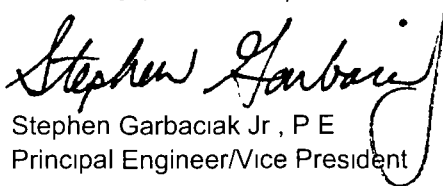
Dear Sam:

As outlined in Paragraph 11 of the 2007 Administrative Settlement Agreement and Order on Consent for Removal Action for the Allied Paper, Inc /Portage Creek/ Kalamazoo River Superfund Site, this letter presents the qualifications for MATECO Drilling Company and Materials Testing Consultants, Inc.

Please contact me if you have any questions.

Sincerely,

ARCADIS of New York, Inc.


Stephen Garbaciak Jr., P E
Principal Engineer/Vice President

Attachment

Copies

Shari Kolak, United States Environmental Protection Agency
Paul Bucholtz Michigan Department of Environmental Quality

ARCADIS of New York, Inc
30 West Monroe
Suite 1710
Chicago
Illinois 60603
Tel 312 332 4937
Fax 312 332 4434
www.arcadis-us.com

INDUSTRIAL

Date
March 21, 2007

Contact
Steve Garbaciak

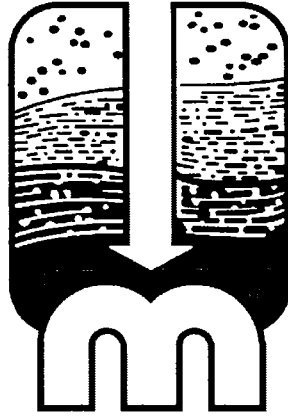
Phone
312.332.4937 x12

Email
steve.garbaciak@arcadis-us.com

Our ref
B0064530 670 #2



MATECO Drilling Company



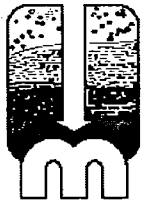
MATECO®

DRILLING

Geoprobe
Geotechnical
Environmental
Horizontal Directional

Operations Office
271 Rockford Park Drive
Rockford, Michigan 49341
(616) 863-6890
(616) 863-6879 fax
www.mateco.com

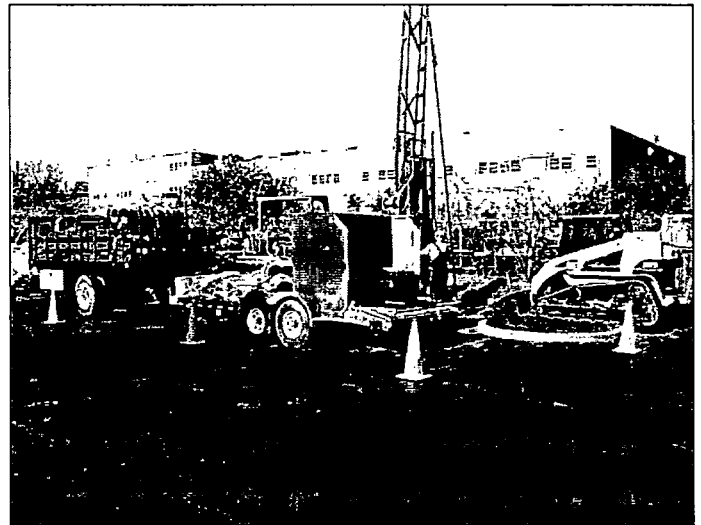
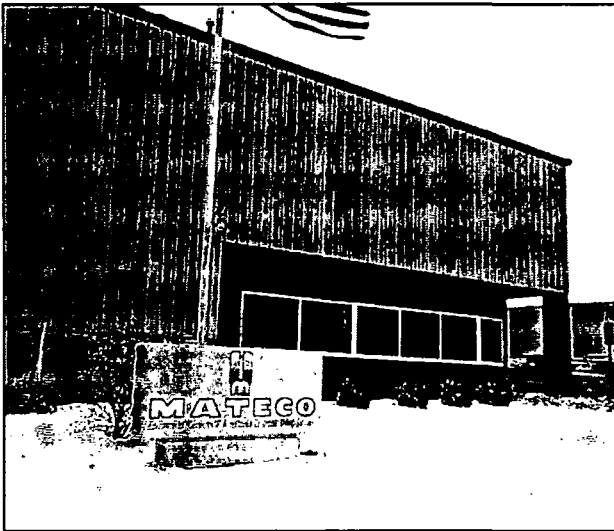
Contact: Dale R. Elliott

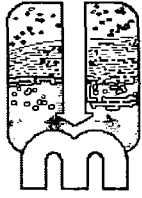


MATECO

Table of Contents

	<u>Page</u>
Statement of Qualifications	1
Health and Safety	2
Equipment and Services	3
Key Project Experience	4
Key Personnel	5





MATECO

Statement of Qualifications

Page 1

MATECO Drilling Company is a specialty contract geotechnical, environmental and horizontal/directional drilling contractor. MATECO is celebrating its 33rd year in business in Michigan. We employ over 20 crew chiefs, drilling assistants, mechanics, and support staff through our operations office in Rockford, Michigan. The corporate office of MATECO is located in Grand Rapids, Michigan.

Our mission is to provide our clients with:

- Safety in our work activities;
- Client satisfaction. Treat our clients with respect and give them better service than they expect;
- Excellence in our work product; and
- The best available equipment and trained personnel.

Our Core Values are:

- Technical Leadership. Providing exceptional value with technical expertise
- Service. Being professional, prompt and courteous
- Ethics. Uncompromising in truthfulness, honesty and integrity
- Confidence. Having high confidence in our solutions and results

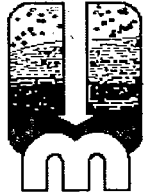
MATECO's abilities allow us to uniquely and productively manage projects with our in-house personnel and equipment by working with our clients on approach, cost, safety and technical aspects of our projects.

MATECO is a member of the National Drillers Association (NDA), National Groundwater Association (NGWA) and the Michigan Infrastructure & Transportation Association (MITA).

Our specialized areas of expertise include:

- All forms of geotechnical drilling, soil sampling, rock coring, pump-in permeability testing, instrumentation installation and in-situ testing.
- Environmental drilling (monitoring wells, extraction wells, decontamination, vertical water sampling, SVE wells and sparge wells, well rehabilitation, pump tests).
- Geoprobe drilling [chemical injection, soil and water sampling, prepacked well installation ASTM (D 6725), sparge well installation].
- Horizontal Directional Drilling for environmental applications such as horizontal soil sampling, horizontal wells and horizontal directional drilling for utility installations.
- Vacuum excavation services for exposing utilities prior to drilling or construction.

Our technical expertise allows us to participate on some of the most difficult drilling projects in all specialized areas. Our diverse selection of drilling rigs and tooling allows our clients to investigate in some of the most remote areas and in difficult soil conditions.



MATECO

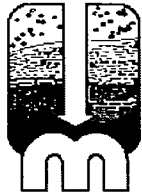
Health and Safety

Page 2

MATECO Drilling Company's corporate Health and Safety Program covers the following topics for our employees:

- **In-house substance abuse policy:** Each employee is required to participate in our in-house program required by the Federal Motor Carrier Division. Each employee participates in a random selection draw managed by an outside source.
- **Employee orientation and training:** Each new employee follows a specific orientation and training program. This includes equipment operation, equipment shut down systems, hazard recognition, daily safety wear and the completion of hazard report forms.
- **Medical monitoring:** Each employee completes a yearly medical physical that includes a Physician's Written Opinion to work at hazardous waste sites and to wear a respirator. This physical also includes a DOT physical card.
- **40-hour (HAZWOPER) training 29 CFR 1910.120** - Each employee that participates on projects at hazardous waste sites is required to complete an initial 40-hours of training as referenced by 29 CFR 1910.120 and the required 8-hour safety training. All this training is completed in-house by our certified staff and also includes First Aid and CPR.
- Respiratory Protection Program
- Trenching-Excavating and Confined Space Entry
- Utility Clearances
- Monthly Safety Meetings
- Traffic Control Certificate
- U.S. DOT Random Drug Screening
- Current MSDS Updates
- Daily Equipment Inspections

MATECO Drilling Company provides its employees with the best available equipment. All of our drilling rigs are equipped with safety shut down brakes. Our Crew Chiefs complete a Daily Drill Rig Inspection Form prior to the operation of the equipment each day. This form asks very specific questions about the condition of the drilling equipment and the related safety system. The form is dated and signed each day by the Crew Chief if the equipment is fully functional. Work cannot start unless all systems are fully functional.



MATEGO

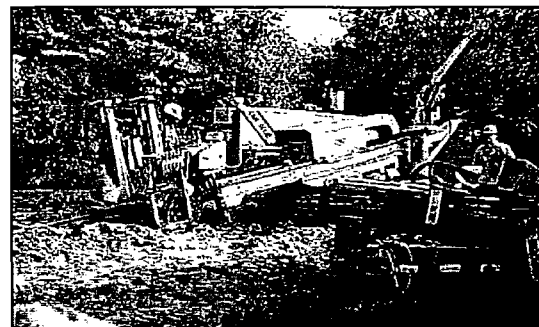
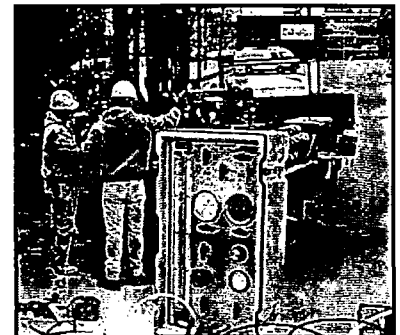
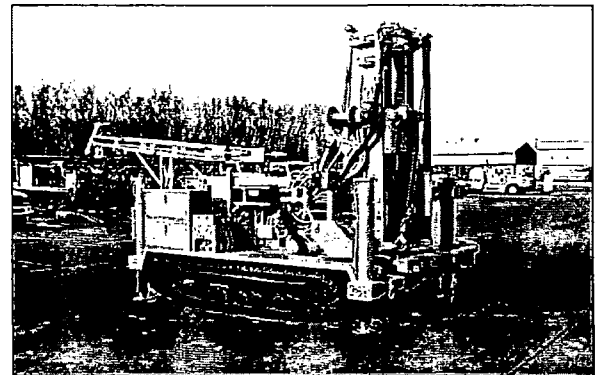
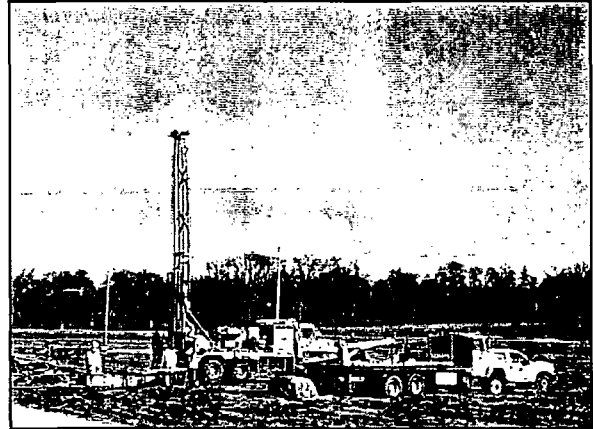
Equipment and Services Page 3

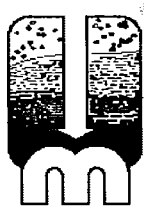
Region of service:

- Midwest United States

Specialty equipment and service:

- Low clearance drill rigs
- ATV drill rigs
- Large high torque drill rigs
- ATV Geoprobe
- Horizontal directional drill rigs
- Self-contained mud systems
- Large diameter augers
- Wireline rock coring
- Vane shear testing
- Hole alignment testing
- Pump-in permeability testing
- Casing advancers
- Piston samplers
- Experience with off-shore drilling
- Vertical water sampling
- Horizontal soil samplers
- Horizontal well installation
- Continuous soil samplers
- Air drilling
- Level C equipment
- Level B equipment
- Self-contained steam cleaners
- Dutch cone equipment
- Vacuum excavation equipment
- Double cased wells
- Submersible pumps for pump testing
- Flow meters
- Grouting equipment
- Quick connect spindle adapters
- Pitcher Sampler
- SimulProbe® (MaxiProbe)





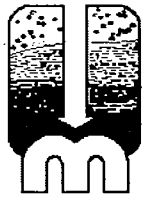
MATECO

Key Project Experience

Page 4

We are known for our abilities to complete both the complex and large projects, as evidenced by the following recent projects:

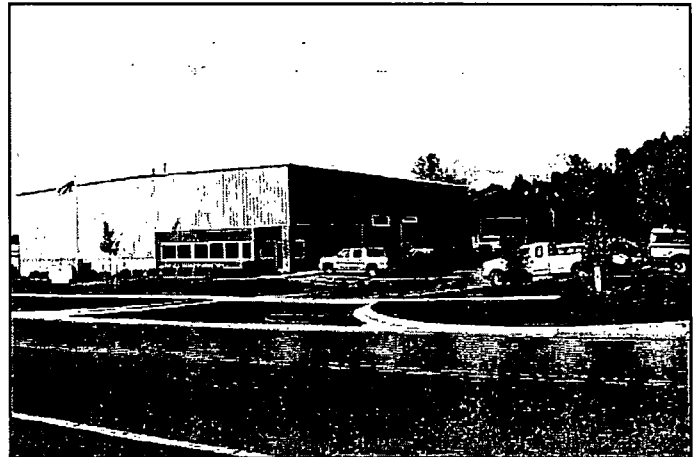
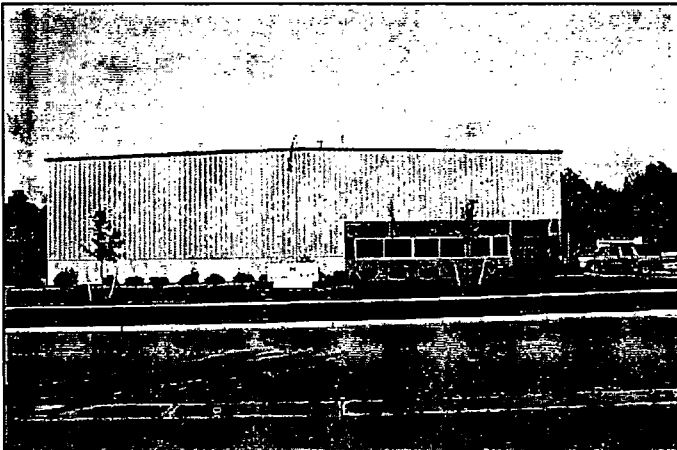
- US-131 S-Curve Bridge, Grand Rapids, MI
 - Geotechnical drilling, wireline rock coring
 - Drilling on barge
 - Multiple drill rigs for fast pace project
- DeVos Place (Grand Rapids Convention Center)
 - Geotechnical drilling in rock
 - Pump-in permeability testing in rock
 - Environmental drilling
 - Low clearance remote areas
- Wood River Refinery Deep Drilling Program, St. Louis, MO
 - 450 ft borings
 - wireline rock coring
 - pump-in permeability testing
 - borehole alignment with slope inclinometer
- Horizontal Extraction Wells under runway at Cleveland International Airport, OH
 - Installation of 3 horizontal wells in subbase below concrete runway to drain contaminated groundwater
 - Geoprobe borings, concrete coring, well installations all with Geoprobe through very thick concrete runway
- Allison Transmission Plant Speedway, IN
 - Horizontal drilling of over 3000 feet of SVE piping from outside of Plant to SVE wells inside Plant
 - Work performed in Level C personal protection
 - Vacuum excavation of critical utilities
- Facility Cincinnati, OH
 - Horizontal soil sampling under facility
 - Installation of blind SVE well under facility
- Freeport, IL Environmental Site
 - Double cased wells into bedrock
 - Rock coring and large hole diameter rock drilling
 - Geophysical testing in rock
- Savanna Army Depot, Savanna, IL
 - Deep Geoprobe drilling
 - Over 100 monitoring wells



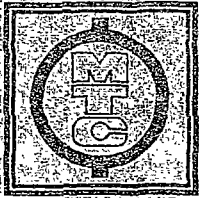
MATECO

Key Personnel
Page 5

<u>Professional Personnel</u>	<u>Area of Expertise</u>
Joyce E. Elliott	CEO
Dale R. Elliott	President
Vince Bennett	Operations Manager
Todd Johansen, CHMM	Client Services



Materials Testing Consultants, Inc.



**Materials
Testing
Consultants, INC.**

MATERIALS Engineers, Independent TESTING Laboratories, Geotechnical & Environmental CONSULTANTS — Since 1968

Materials Testing Consultants, Inc.

693 Plymouth NE • Grand Rapids, MI 49505

(616) 456-5469 • FAX (616) 456-5784

<http://mtc.mateco.com>

STATEMENT OF QUALIFICATIONS

Submitted by:

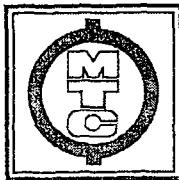
Materials Testing Consultants, Inc.
693 Plymouth N.E.
Grand Rapids, MI 49505
(616) 456-5469
(616) 456-5784 fax

Contact: Steven M. Elliott, P.E.

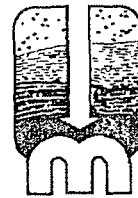
MATECO Drilling Company
693 Plymouth N.E.
Grand Rapids, MI 49505
(616) 459-1090
(616) 456-5784 fax

Operations Office
271 Rockford Park Drive
Rockford, MI 49341
(616) 863-6890
(616) 863-6879 fax

Contact: Dale R. Elliott



**Materials
Testing
Consultants, INC.**



MATECO

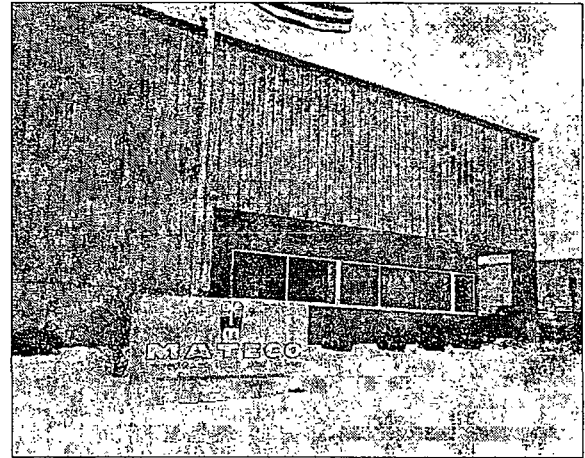
Our Mission

- Cost Effective and Creative State-of-the-Art Solutions
- Confident Assurance of Quality

Build With Confidence

Table of Contents

	<u>Page</u>
1.0 Statement of Qualifications and Experience	2
2.0 Quality Assurance and Quality Control Qualifications	4
3.0 Key Project Experience	5
4.0 Key Personnel	7



Our Mission

- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence

1.0 Statement of Qualifications and Experience

Materials Testing Consultants (MTC) is celebrating its 39th year of business in Michigan. We provide professional engineering, consulting and independent testing services in construction materials, soil mechanics and environmental matters. We employ over 60 engineers, geologists, environmental specialists, technicians and support staff.

MATECO Drilling Company, a subsidiary of MTC, is a specialty contract geotechnical, environmental and horizontal/directional drilling contractor. MATECO is approaching its 33rd year in business in Michigan. We employ over 20 crew chiefs, drilling assistants, mechanics, and support staff through our operations office in Rockford, Michigan.

The corporate office of MTC and MATECO is located in Grand Rapids. MTC and MATECO work seamlessly to the benefit of our clients on many projects.

Our mission is to provide our clients with:

- Cost effective and creative state-of-the-art solutions; and
- Confident assurance of quality on projects through prompt, reputable and unbiased independent testing services.

Our Core Values are:

- Technical Leadership. Providing exceptional value with technical expertise
- Service. Being professional, prompt and courteous
- Ethics. Uncompromising in truthfulness, honesty and integrity
- Confidence. Having high confidence in our solutions and results

MTC's and MATECO's combined abilities allow us to uniquely and productively manage projects with our in-house personnel and equipment by controlling the approach, cost, safety and technical aspects of our engagements. Professional Engineering management is provided throughout our organization with focus on our mission and core values.

Our specialized areas of expertise include:

- All forms of geotechnical engineering, field investigations and laboratory testing (specialty walls and slopes, pavement, foundation systems, subgrade improvement)
- Materials testing (concrete, aggregates, soil, HMA, masonry, steel)
- Non-destructive testing (CWI, PDI, Level II, III UT, MT, VT, PT)
- Hazardous materials assessment and management (asbestos, lead)
- Environmental consulting (assessment and remediation)

Our Mission

- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence

Materials Testing Consultants, INC

Region of service:

- MTC throughout Michigan
- MATECO midwest United States

Size of facilities

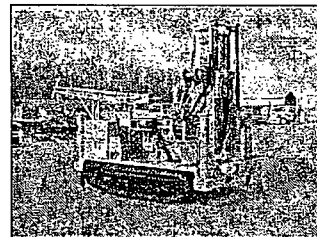
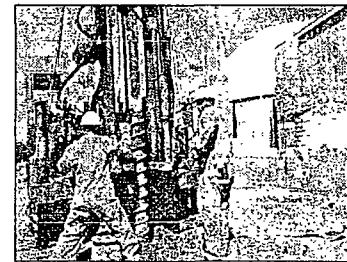
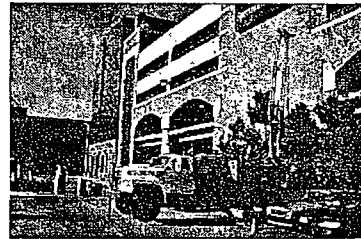
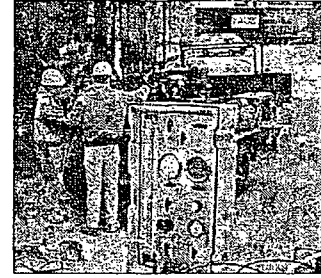
- Grand Rapids, 13,000 sf
- Rockford, 10,000 sf + 5000 sf

Health and Safety

- Our top priority
- 40-Hr. HAZWOPER trained
- Traffic Control Certificate
- Medical Monitoring
- U.S. DOT Random Drug Screening
- In-House Substance Abuse Policy

Specialty equipment

- Low-clearance high torque rigs
- Wireline rock coring
- Casing advancers
- Experience with off-shore work
- Geoprobe
- Dutch cone penetrometer
- Menard pressuremeter
- ATV rigs
- Triaxial compression
- Consolidation
- Direct shear
- Relative density
- Earth resistivity
- LA Abrasion
- 400,000 lb compression/tension machine
- Slope inclinometer
- Profilometer
- MDOT HMA laboratory



Our Mission

- Cost Effective and Creative State-of-the-Art Solutions
- Confident Assurance of Quality

Build With Confidence

2.0 Quality Assurance and Quality Control Qualifications

We take great pride in the high quality of work we are known to produce.

- We are accredited by AASHTO.
- We are the only testing laboratory in Michigan approved by Consumers Energy for their Nuclear Level Quality projects.
- Our quality systems are described in a Quality Assurance Manual.
- We subscribe to reference sample test programs. Reference sample test programs include soils, concrete and bituminous from the AASHTO Materials Reference Laboratory.
- We submit our quality system to the review of outside authoritative agencies including AMRL and CCRL.
- Our equipment is calibrated and traceable to NIST standards.
- Our laboratories meet the full requirements of ASTM specifications for agencies performing construction materials and geotechnical testing.
- We currently operate MDOT's Grand Region Central HMA laboratory within our facility.
- We are managed by licensed and experienced registered Professional Engineers in Michigan.
- Each geotechnical and construction materials testing test report and any correspondence with recommendations are, by our internal mandate, reviewed by a P.E.
- In the area of geotechnical engineering, our policy is to have all soil test samples technically classified by an engineer or geologist.
- We use ASTM D2487 and D2488 soil classification procedures.
- We do not prepare recommendations pertaining to a site unless one of our engineers has physically traveled to the site and conducted site reconnaissance.



Our Mission

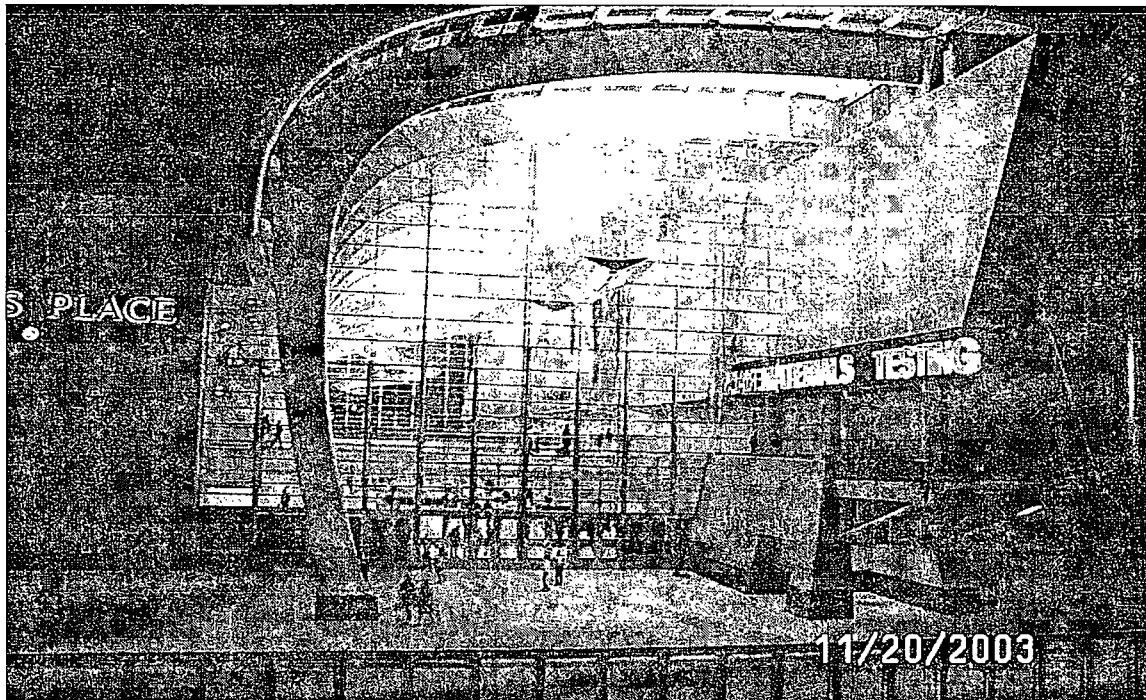
- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence

3.0 Key Project Experience

We are known for our abilities to complete both the complex and large projects, as evidenced by the following recent projects:

- M-6/US-131 Interchange
 - soil density
 - concrete QA
- US-131 S-Curve, Grand Rapids, MI
 - soil density QC/QA
 - concrete QA under contract to MDOT
 - geotechnical test drilling on barge and land under contract to CTE
- DeVos Place (Grand Rapids Convention Center)
 - foundation engineering (micropiles, drilled shafts, void-filling grouting, tomography)
 - environmental and geotechnical test drilling (wireline coring 80 ft into rock),
 - materials testing
 - structural steel inspection
 - asbestos abatement management
 - environmental consulting



Our Mission

- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence

Materials Testing Consultants, INC

- Wood River Refinery Deep Drilling Program, St. Louis, MO
 - 450 ft borings
 - wireline rock coring
 - pump-in permeability testing
 - borehole alignment with slope inclinometer
- Palisades Nuclear Plant – Dry Fuel Storage Project, Covert, MI
 - nuclear level quality control
 - foundation engineering
 - soil density
 - concrete testing
- Clinton Valley Center, Pontiac, MI
 - hazardous materials survey
 - abatement and demolition coordination for \$5M project (Michigan DMB)
- Gratiot County Landfill, MI
 - design and installation of groundwater remediation system
 - extraction wells, monitoring wells, air stripper
 - treatment building, pumps, controls installation
 - operations and maintenance
- Leonard Street Reconstruction, Grand Rapids, MI
 - mechanistic/empirical pavement design (perpetual pavement)
 - soil density, concrete and HMA QA
- I-94 Widening, Kalamazoo, MI
 - 75 soil borings ranging in depth of 40' to 150'
 - Majority of work performed at night during winter months
 - Hollow stem auger drilling and rotary methods
 - ATV drill rigs, large truck-mounted drill rigs carefully positioned for traffic control
- Horizontal Extraction Wells under runway at Cleveland International Airport
 - Installation of 3 horizontal wells in subbase below concrete runway to drain contaminated water
- Combined Sewer Separation, Grand Rapids, MI
 - Over 50 contracts
 - River Crossing with subaqueous pump station connection
 - Two pump stations
- Western Wayne County Correctional Facility, Plymouth, MI
 - Phase I Environmental Site Assessment
 - Phase II Exposure Assessment for 175 acre, 10-structure, 700 inmate prison facility constructed within and above a former open dump

Our Mission

- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence

Materials Testing Consultants, INC

4.0 Key Personnel

Professional Personnel

Joyce E. Elliott

Victoria L. VanZalen

Dale R. Elliott

Steven M. Elliott, P.E.

Douglas W. Sabin, P.E.

Peter D. Gausewitz, P.E.

Douglas L. Hula, P.E.

Scott M. Thompson

Ruth S. Selmo

Brandon D. Smith

Christopher J. Kestner

Stephen K. Young

T. Darrin Gehler, SI, CWI

C. Vincent Bennett

Brian D. Miller

Area of Expertise

CEO, MTC and MATECO

Business Manager and Safety Administrator

President, MATECO, Geotechnical and

Environmental Investigation

President, MTC, Geotechnical and Materials
Engineering

Geotechnical and Materials Engineering

Geotechnical and Materials Engineering

Geotechnical and Materials Engineering

Geotechnical Field Engineer

Document Control

Geotechnical and Materials Laboratory Manager,
HMA Laboratory

Environmental Division Manager, Asbestos

Remediation and Assessment Department Manager

Structural Services and Testing

Field Supervisor

Field Services Department Manager

Our Mission

- *Cost Effective and Creative State-of-the-Art Solutions*
- *Confident Assurance of Quality*

Build With Confidence